

AMENDMENTSIn the specification

Please insert the Abstract of the Disclosure, set forth on a separate sheet at the conclusion of this communication.

In the claims

Please amend claims 1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 19, 23, 24, 25, 26, 28, 29 and 30

1. (Once Amended) A detergent composition comprising a detergent ingredient, a pectate lyase enzyme and bleach system selected from the group consisting of a metal bleach catalyst; a combination of a peroxygen source and a bleach booster selected from the group consisting of zwitterionic imines, anionic imine polyions having a net negative charge of from -1 to -3, and mixtures thereof; a diacyl peroxide and mixtures thereof
- wherein said pectate lyase enzyme is selected from the group consisting of: a pectate lyase which is a polypeptide produced by *Bacillus agaradhaerens*, NCIMB 40482 or DSM 8721; a pectate lyase which is a polypeptide produced by *Bacillus licheniformis* or ATCC 14580; a pectate lyase which is a polypeptide produced by *Bacillus haldurans*; a pectate lyase having an optimum activity at a pH of greater than about 7.0 and derived from *Streptomyces fradiae*, *Streptomyces nitrosporeus*, *Erwinia carotovora*, *Bacillus sphaeroides*, *Thermomonospora fusca*, *Pseudomonas solanacearum*, *Bacteroides thetaiotaomicron*, *Fusarium solani*, *Xanthomonas campestris*, *Bacillus agaradhaerens*, *Bacillus licheniformis* and mixtures thereof; and combinations thereof.
2. (Once Amended) A detergent composition according to claim 1 wherein the metal bleach catalyst is selected from :
- (a) the  $[Mn(Bcyclam)Cl_2]$  catalyst;
- (b) the cobalt catalyst having the formula :  $Co[(NH_3)_n M_m B_b T_t Q_q P_p] Y_y$ , wherein Cobalt is in the +3 oxidation from, n is an integer from 0 to 5; M represents a monodentate ligand; m is an integer from 0-5; B represents a bidentate ligand; b is an integer from 0-2; T represents a tridentate ligand; t is 0 or 1; Q is a tetradentate ligand; q is 0 or 1; P is a pentadentate ligand; p is 0 or 1 and  $n+m+2b+3t+4q+5p=6$ ; Y is one or more appropriately selected counteranions present in a number y, where y is an integer from 1-3;
- (c) the cobalt catalyst having the formula  $[Co(NH_3)_5 M] T_y$ , wherein cobalt is in the +3 oxidation state; M is a carboxylate-containing ligand having the formula  $RC(O)O^-$ ; and T is one or more counteranions present in a number y, where y is an integer to obtain a charge-balanced salt; and mixtures thereof.

- B<sup>1</sup>
3. (Twice Amended) A detergent composition according to claim 2 comprising said metal bleach catalyst and further comprising a peroxygen source, wherein said peroxygen source is selected from the group consisting of a hydrogen peroxide source, a peroxyacid bleach precursor compound, and mixtures thereof.
4. (Twice Amended) A composition according to claim 3 wherein the metal bleach catalyst is present in an amount of from 1ppb to 10% by weight of total composition.
5. (Twice Amended) A detergent composition according to claim 1 wherein said diacyl peroxide is selected from the group consisting of dibenzoyl peroxide, benzoyl glutaryl peroxide, benzoyl succinyl peroxide, di(2-methyl benzoyl) peroxide, and mixtures thereof.
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- B<sup>2</sup>
7. (Twice Amended) A detergent composition according to claim 1 wherein said diacyl peroxide is comprised in a particle; said particle comprising from 1-80% by weight of said particle of diacyl peroxide, from 0.01-95% by weight of said particle of a water soluble stabilizing additive.
8. (Once Amended) A detergent composition according to claim 7 wherein said stabilizing additive is selected from the group consisting of alkali metal sulfates and citrates, ethoxylated C16-20 alcohols, polyethylene glycols melting above 100°F, maltodextrins, polyacrylate polymers and copolymers of molecular weight between 1,000 and 80,000, ethylene diamine tetra-acetates, ethylene diamine disuccinates and mixtures thereof.
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10. (Twice Amended) A detergent composition according to claim 1 wherein said diacyl peroxide is comprised at a level of from about 0.01% to about 20% by weight of the composition.
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- B<sup>3</sup>
11. (Twice Amended) A detergent composition according to claim 1 wherein the diacyl peroxide is incorporated into a particulate and said particle is comprised at a level of from about 0.1% to about 30% of the total composition.
12. (Twice Amended) A detergent composition according to claim 1 wherein said bleach booster is selected from the group consisting of aryliminium zwitterions, aryliminium polyions having a net negative charge of from -1 to -3; and mixtures thereof.
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- B<sup>4</sup>
19. (Twice Amended) A detergent composition according to claim 18 wherein said bleach booster is an aryliminium zwitterion and R<sup>3</sup> is H, Z is -OSO<sub>3</sub><sup>-</sup>, a is 1.
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- B<sup>5</sup>
23. (Twice Amended) A detergent composition according to claim 22 wherein said peroxygen source comprises a preformed peracid compound selected from the group

consisting of percarboxylic acids and salts, percarbonic acids and salts, perimidic acids and salts, peroxymonosulfuric acids and salts, and mixtures thereof; a hydrogen peroxide source, a bleach activator and mixtures thereof.

24. (Once Amended) A detergent composition according to claim 23 wherein said hydrogen peroxide source is selected from the group consisting of perborate compounds, percarbonate compounds, perphosphate compounds and mixtures thereof.

- B<sup>5</sup> 25. (Once Amended) A detergent composition according to claim 23 wherein said bleach activator is selected from the group consisting of tetraacetylenediamine, sodium decanoyloxybenzene sulfonate, sodium nonanoyloxybenzene sulfonate, sodium octanoyloxybenzene sulfonate, (6-octanamido-caproyl)oxybenzenesulfonate, (6-nonanamido-caproyl)oxybenzenesulfonate, (6-decanamido caproyl)oxybenzenesulfonate, and mixtures thereof.

26. (Twice Amended) A detergent composition according to claim 1 wherein said pectate lyase is present at a level of from 0.0001% to 2% pure enzyme by weight of total composition.

28. (Twice Amended) A method of using a composition according to claim 1 for the removal of plant-, dirt-based stains, highly coloured food soils/stains and body soils comprising the step of contacting a fabric in need of treatment with the composition of claim 1.

- B<sup>6</sup> 29. (Twice Amended) A method of using a composition according to claim 1 for superior fabric whiteness maintenance comprising the step of contacting a fabric need of treatment with the composition of claim 1.

30. (Twice Amended) A method of using a composition according to claim 11 for effective highly coloured stains and soils removal on plasticware, preventing staining and discolouration of the dishware by highly coloured components comprising the step of contacting a fabric need of treatment with the composition of claim 1.